

REMARKS

By this Supplemental Amendment, Applicants have re-numbered new claims 14-26 to 48-60.

Respectfully submitted,

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VERSION WITH MARKINGS TO SHOW CHANGES MADEIN THE CLAIMS

The claims have been amended as follows:

~~1448~~. (New) A system for fluid isolation in a biological mass having at least one upstream channel and at least one downstream channel, comprising:

a delivery conduit positioned adjacent to or into one of the upstream channels;

a separate collection conduit positioned adjacent to or into one of the downstream channels and having a collection seal for occluding external fluid flow; and

a fluid to be administered to the biological mass through the delivery conduit, and reclaimed by the collection conduit.

~~1549~~. (New) The system of claim ~~1448~~, wherein the fluid further comprises an agent.

~~1650~~. (New) The system of claim ~~1549~~, wherein the agent is selected from the group consisting of natural and synthetic drugs, growth factors, gene therapy compositions, chemotherapeutic chemicals, anti-bacterial chemicals, anti-angiogenic chemicals, and combinations thereof.

~~1751~~. (New) The system of claim ~~1448~~, wherein the delivery conduit further comprises a delivery seal for occluding external fluid flow.

~~1852~~. (New) The system of claim ~~1751~~, wherein the delivery seal comprises an elastomeric balloon.

~~1953~~. (New) The system of claim ~~1448~~, further comprising a pressure device, wherein the pressure device is in fluid communication with the delivery conduit.

~~2054~~. (New) The system of claim ~~1953~~, wherein the pressure device exerts a positive pressure, and the pressure device is selected from the group consisting of positive displacement pumps, syringes, vacuum pumps, delivery pumps, suction pumps, metering pumps, and intra-aortic balloon pumps.

~~2155~~. (New) The system of claim ~~1448~~, further comprising a pressure device in fluid communication with the collection conduit.

~~2256~~. (New) The system of claim ~~2155~~, wherein the pressure device exerts a negative pressure, and the pressure device is selected from the group consisting of positive displacement pumps, syringes, vacuum pumps, delivery pumps, suction pumps, metering pumps, and intra-aortic balloon pumps.

~~2357~~. (New) The system of claim ~~1448~~, wherein the delivery conduit comprises a delivery catheter, wherein the delivery catheter includes three internal lumens.

~~2458~~. (New) The system of claim ~~1448~~, wherein the delivery conduit comprises a delivery catheter, wherein the delivery catheter comprises as separate lumens, a balloon inflation lumen, a guidewire lumen, and a drug delivery lumen.

2559. (New) The system of claim 1448, wherein the separate collection conduit comprises a collection catheter, wherein the collection catheter comprises three lumens.

2660. (New) The system of claim 1448, wherein the separate collection conduit comprises a collection catheter, wherein the collection catheter comprises as separate lumens, a drainage lumen, a guidewire lumen, and a balloon inflation lumen.